Moles of Bismuth

bismuth: convert moles to volume and weight

Enter number of moles and select a substance to search for. Use * as a wildcard for partial matches, or enclose the search string in double quotes for an exact match. Volume and weight of the substance is calculated using its molecular weight, density and number of moles.

Amount of Substance: 1 in: mole

bismuth

Select a compound: Bismuth

precision: 2

V2W | W2V | Density | Price | Mole | Mass and molar concentration

☐ show all units

Volume of 1 mole of Bismuth

centimeter^3	21.31	milliliter	21.31
foot^3	0	oil barrel	0
Imperial gallon	0	US cup	0.09
inch^3	1.3	US fluid ounce	0.72
liter	0.02	US gallon	0.01
meter^3	**2.13×10^{-5}**	US pint	0.05
metric cup	0.09	US quart	0.02
metric tablespoon	1.42	US tablespoon	1.44
metric teaspoon	4.26	US teaspoon	4.32

☐ show all units

Weight of 1 mole of Bismuth

carat	1 044.9	ounce	7.37
gram	**208.98**	pound	0.46
kilogram	0.21	tonne	0
milligram	208 980		

The entered amount of Bismuth in various units of amount of substance

centimole	100	micromole	1 000 000
decimole	10	millimole	1 000
gigamole	1×10^{-9}	**mole**	**1**
kilogram-mole	0	nanomole	1 000 000 000
kilomole	0	picomole	1 000 000 000 000
megamole	1×10^{-6}	pound-mole	0

About *Bismuth*

Bismuth weighs 9.808 *gram per cubic centimeter* or 9 808 *kilogram per cubic meter*, i.e. density of *bismuth* is equal to 9 808 kg/m^3; at 25°C (77°F or 298.15K) at standard atmospheric pressure. In Imperial or US customary measurement system, the density is equal to 612.2934 *pound per cubic foot* [lb/ft^3], or 5.6694 *ounce per cubic inch* [oz/inch^3] .

Melting Point (MP), *Bismuth* changes its state from solid to liquid at 271.4°C (520.52°F or 544.55K)

Boiling Point (BP), *Bismuth* changes its state from liquid to gas at 1564°C (2847.2°F or 1837.15K)

Symbol: Bi [element | bismuth-based compounds]
Atomic number: 83
Atomic weight: 208.98040(1)
Ionization energy, eV: 7.285516
Molecular formula: Bi
Molecular weight: 208.98 g/mol
Molar volume: 21.307 cm^3/mol
CAS Registry Number (CAS RN): 7440-69-9

Bookmarks: [weight to volume | volume to weight | price | mole to volume and weight | mass and molar concentration | density]

A few materials, substances, compounds or elements with a name containing, like or similar to **Bismuth:**

Bismuth chloride [$BiCl_3$] weighs 4 750 kg/m^3 (296.53281 lb/ft^3) [weight to volume | volume to weight | price | mole to volume and weight | mass and molar concentration | density]

Bismuth chloride oxide [BiOCl] weighs 7 720 kg/m^3 (481.94386 lb/ft^3) [weight to volume | volume to weight | price | mole to volume and weight | mass and molar concentration | density]

Bismuth germanium oxide weighs 7 130 kg/m^3 (445.11136 lb/ft^3) [weight to volume | volume to weight | price | density]

Bismuth hydrate [$Bi(OH)_3$] weighs 4 960 kg/m^3 (309.64268 lb/ft^3) [weight to volume | volume to weight | price | mole to volume and weight | mass and molar concentration | density]

Bismuth hydroxide [$Bi(OH)_3$] weighs 4 960 kg/m^3 (309.64268 lb/ft^3) [weight to volume | volume to weight | price | mole to volume and weight | mass and molar concentration | density]

Reference (ID: 331)

1. Compound summary: *Bismuth*. National Center for Biotechnology Information; U.S. National Library of Medicine; 8600 Rockville Pike; Bethesda, MD 20894 USA. Last accessed: 29 August 2020 (pubchem.ncbi.nlm.nih.gov/compound).

2. *Chemistry of the Elements* by N. N. Greenwood (Author), A. Earnshaw (Author). Published by Butterworth-Heinemann; 2nd edition (December 9, 1997). Last accessed: 29 August 2020 (amazon.com paid link)

3. *Handbook of Inorganic Chemicals* by Pradyot Patnaik (Author). Published by McGraw-Hill Professional; 1 edition (November 20, 2002). Last accessed: 29 August 2020 (amazon.com paid link).